

# Weather-Resistant Enclosures

## Models ENC 12/14, ENC 16/18, 6447, and 7414

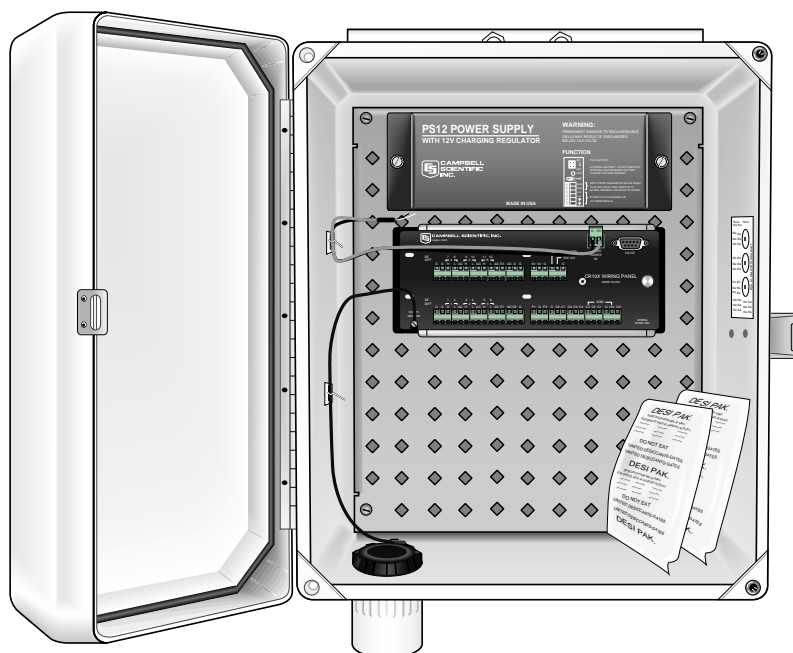
Campbell Scientific provides fiberglass-reinforced polyester enclosures for housing our dataloggers and peripherals. These non-corrosive, white enclosures are UV-stabilized and reflect solar radiation, reducing temperature gradients inside the enclosure without requiring a separate radiation shield. Dataloggers and peripherals housed in an enclosure with desiccant are protected from water and most pollutants.

The NEMA 4X enclosures (modified for cable entry) include a door gasket, external grounding lug, stainless steel hinge, lockable hasp, desiccant, humidity indicators, and sensor cable ties. An optional 10162 Enclosure Humidity Sensor is available to monitor relative humidity inside the enclosure. The housings attach either to a flat surface, vertical mast (1" to 1.25" IPS Schedule 40 pipe; O.D. 1.315" to 1.660"), tripod, or tower.

Dataloggers, peripherals, and brackets are mounted on an internal backplate punched with a grid of one-inch-on-center holes (see drawing). This mounting scheme simplifies system configuration and facilitates addition and removal of equipment in the field.

### Model ENC 12/14

- Provides internal dimensions of 12" x 14" x 5.5"
- Houses one CR510, CR10(X), or CR23X datalogger and one or more peripherals (depends on peripheral's footprint)
- Includes 1.25" diameter port for cable entry and putty to seal port
- Contains an internal plug allowing reduction of cable entry port to 0.5" diameter
- Bracket not included. Single-notch (p/n 7839), double-notch (p/n 7840), or triple-notch (p/n 7841) must be specified as a separate line item.
- Weighs 11.2 lbs



*A datalogger housed in an enclosure with desiccant can collect data under extremely harsh conditions. ENC 12/14 shown.*

### Model ENC 16/18

- Provides internal dimensions of 16" x 18" x 9"
- Houses one CR510, CR10(X), CR23X, or CR5000 datalogger and two or more peripherals (depends on peripheral's footprint)
- Includes 1.25" diameter port for cable entry and putty to seal port
- Contains an internal plug allowing reduction of cable entry port to 0.5" diameter
- Includes triple-notch bracket (p/n 7841). Double-notch bracket option 13826 is also available
- Weighs 17 lbs

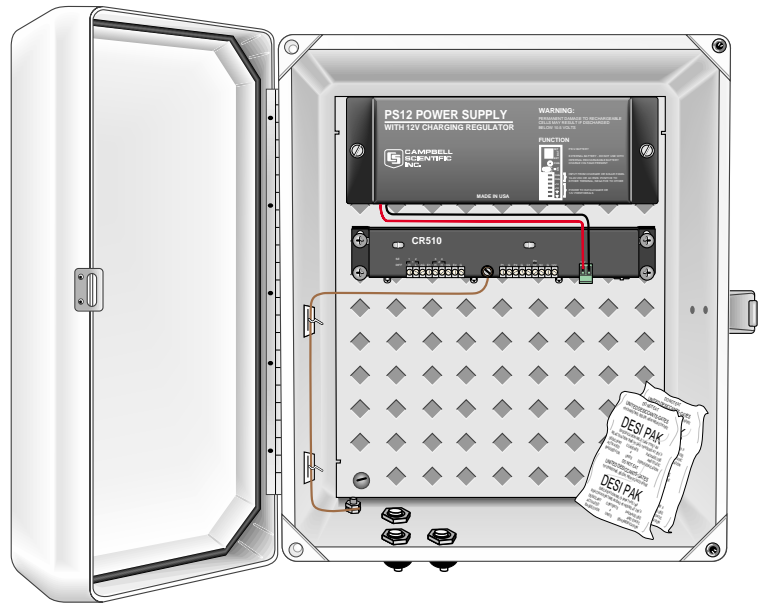


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### Model 6447

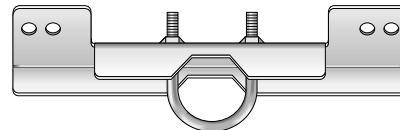
- Provides internal dimensions of 10" x 12" x 4.5"
- Houses one CR510 or CR10(X) datalogger, power supply, and one small peripheral
- Includes three individual compression fittings for each cable entry
- Contains vent to atmosphere
- Includes single-notch bracket (p/n 7839)
- Weighs 9.0 lbs



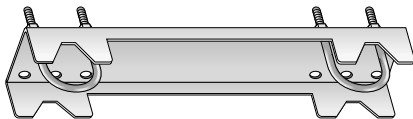
*Models 6447 and 7414 include individual compression fittings for each cable instead of the 1.25" cable entry port. The compression fittings provide a more water-tight seal. Model 6447 shown.*

### Model 7414

- Provides internal dimensions of 12" x 14" x 5.5" (same as ENC 12/14)
- Includes six individual compression fittings for cable entry
- Contains vent to atmosphere
- Includes single-notch bracket (p/n 7839)
- Weighs 11.2 lbs



*The single-notch bracket is for attaching the enclosure to a CM6/10 tripod or 1.25" diameter pole and can be ordered as model 7839 for the ENC 12/14*



*The double-notch bracket is for attaching the enclosure to a UT10 10-foot tower. This bracket is model 7840 for the ENC 12/14 and option 13826 for the ENC 16/18.*



*The triple-notch bracket is for attaching the enclosure to a CM6/10 tripod, UT10 tower, UT20 tower, or UT30 tower. This bracket is standard for the ENC 16/18 and can be ordered as model 7841 for the ENC 12/14.*



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